

INTERNATIONAL SEARCH REPORT

Internal	Application No
PCT/CA 97/00459	

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 6 H02M7/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 6 H02M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 347 158 A (MATSDA TADASHI ET AL) 13 September 1994 cited in the application see the whole document ---	1
A	US 5 142 439 A (HUGGETT COLIN E ET AL) 25 August 1992 cited in the application see the whole document ---	1
A	EP 0 688 092 A (HITACHI LTD) 20 December 1995 see abstract; figure 2 -----	1

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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*'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

*'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

24 September 1997

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01.10.97

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Information on patent family members

Inte...al Application No

PCT/CA 97/00459

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5347158 A	13-09-94	JP 6069415 A EP 0588094 A	11-03-94 23-03-94
US 5142439 A	25-08-92	NONE	
EP 0688092 A	20-12-95	JP 8009653 A JP 8066050 A JP 8098529 A	12-01-96 08-03-96 12-04-96